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Skarvig, Isabelle

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FOREST & LANDSCAPE

DEVELOPMENT

NEWS

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Welcome to a new issue of Development News published by Forest & Landscape Denmark (FLD), Faculty of Life Sciences, University of Copenhagen.

We report on new projects, education programmes, arrangements and publications.

In this issue find our reports on:

Harapan Rainforest: Restoration of 100,000 ha of tropical rainforest, in the middle of Sumatra in Indonesia.

VECEA: The project 'Vegetation and Climate Change in Eastern Africa' that provides a map and seven reports analysing the material.

A new Ph.D. course provides the main arguments within the discipline of Political Ecology.

Yours sincerely
The Editor

PROJECT NEWS

Harapan: Restoration of tropical lowland rainforest

Forest & Landscape Denmark (FLD) is, through Danida support, engaged in restoration of 100,000 ha of tropical rainforest, in the southern lowlands of Sumatra in Indonesia. This is one of the largest engagements FLD has ever had in implementing development activities, and three of the divisions in FLD will take part in the activities. This is a tremendous task and challenge, expecting to take many years.

More than 7,000 ha of forest have to be planted, requiring more than 10 million tree seedlings to be raised in a large number of nurseries.

More than 40,000 local people living in and around the forest will be involved. The indigenous people will be part of the project and participate in planting activities whilst doing other income generating activities enhancing restoration and conservation of the rainforest.

Roads and houses will be constructed to allow more than 200 project staff members to live and work in the forest. A huge research work and data management will be done in order to prepare guidelines, which can be used in other areas in- or outside of Indonesia, where local people and governments wish to restore tropical rainforest.

Harapan Rainforest (HRF) is a joint initiative of the consortium of Burung Indonesia, BirdLife International and the Royal Society for the Protection of Birds (RSPB). It is the first project in Indonesia to be implemented under an ecosystem restoration licence, allowing the management of former production forest for restoration

rather than logging. Harapan Rainforest is home to many globally threatened species of wildlife, and provides sustainable livelihoods for indigenous communities. In addition, it has important ecosystem service functions, such as the protection and sequestration of forest carbon, release of oxygen, and the prevention of soil erosion and flooding.

Denmark is supporting HRF through 'Danida Support to Harapan Rain Forest' (DSHRF), a project support of 50 mill DKK (2011-13) given to Burung Indonesia (Birdlife Indonesia) as part of the 'Fast-start' climate support from Denmark. Burung Indonesia has selected Dansk Ornitologisk Forening (DOF), Royal Society for Protection of Birds, UK (RSPB) and Forest & Landscape (FLD) to provide the technical inputs required to implement such a large project.

DSHRF includes four elements or major activity areas:

1. Forest conservation and restoration
2. Community development and partnership
3. Policy support, capacity building and knowledge management
4. Research and monitoring.

Forest & Landscape will mostly be engaged in elements 1, 3 and 4, and during the coming three years FLD will host 4 Ph.D. - and 6 M.Sc. students, provide 1 full time adviser, and provide more than 30 mm of short term services to the Harapan Rain Forest in Sumatra, Indonesia.

The opportunity for involvement in the conservation and management of Harapan Rainforest as part of the Danish 'fast-start' climate initiative was identified in 2010 by the Royal Danish Embassy (RDE) in Jakarta. RDE has throughout 2010-11 delivered facilitation of the preparation of Danida support to the Harapan Rain Forest, which was approved by the Board of Danida and the Finance Committee mid 2011.

Søren Moestrup, *smoe@life.ku.dk* &
Lars Graudal, *lgr@life.ku.dk*

Conference: Social Dimensions of REDD – A Comparative Perspective

On June 11, 2012 FLD organizes a conference entitled 'Social Dimensions of REDD – A Comparative Perspective'. At the conference, Danish scholars from University of Copenhagen and Aarhus University will present recent empirically-based findings on social dimensions of REDD. The presentations will focus on two themes: how REDD processes distribute costs and benefits among actors; the institutional and social factors that affect who gains and who loses in REDD processes. The conference will be opened with a key note presentation by Professor Jesse Ribot of the University of Illinois.
Information: Maya Sepehri, *mase@life.ku.dk*

International Conference

Announcement and Call for Abstracts:

Illegal logging and legality verification – the FLEGT/VPA as new modes of governance

December 6th and 7th, 2012
University of Copenhagen, Frederiksberg Campus, Denmark
Deadline for abstracts: 15 May 2012.

- Definitions, types, causes and consequences of illegal logging and the implications of legality verification;
- Combining market based and legal instruments – a new mode of governance?
- Legality and sustainability – are they necessarily linked?
- Domestic markets and exports – how may legality verification influence domestic forest governance;
- Social, economic and environmental impact of FLEGT/VPA and other regulatory initiatives against illegal logging;
- FLEGT/VPA, REDD+ and certification – prospects of synergies?

Further information:
http://sl.life.ku.dk/English/outreach_publications/Conferences/flegt.aspx

PhD Course in 'Political Ecology'

The Graduate School of International Development Studies, Roskilde University and Forest & Landscape, University of Copenhagen offer a PhD course in Political Ecology to be held in Copenhagen June 4 - 8, 2012. The course aims to provide participants with a general understanding of the main arguments that assert environmental processes - within the discipline of Political Ecology - such as land degradation and deforestation, which are inherently political and cannot be understood or tackled outside the frame of their political, economic and social context. The course will comprise a mixture of lectures, group discussions, and student presentations of their own work as well as selected classics within Political Ecology.

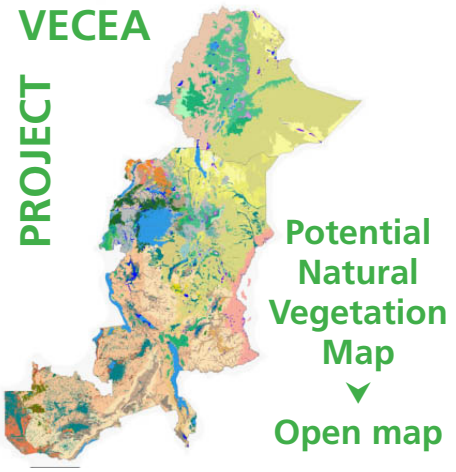
Course description:
http://www.sosder.life.ku.dk/Nyheder/2011/phd_course.aspx
Information: Anja Byg, *aby@life.ku.dk*

VECEA: The Vegetation and Climate Change in Eastern Africa

The Vegetation and Climate Change in Eastern Africa (VECEA) project was implemented by Forest and Landscape Denmark, the World Agroforestry Centre (ICRAF) and national botanists representing the seven "VECEA countries" (Ethiopia, Kenya, Malawi, Rwanda, Tanzania, Uganda and Zambia). The VECEA project has been financed by The Rockefeller Foundation.

The VECEA map is produced in pdf format and as a map on the Google Earth platform. In summary, the utility of the VECEA vegetation map, complemented with additional information on vegetation development and other environmental data layers:

- Provides an integrated interpretation of landscapes and indicate the position of transitions between areas with significantly different environmental conditions, conditions which are most likely to be important determinative factors for agricultural potential;
- Predicts potential distributions of indigenous plant species in the agricultural landscapes and the possible genetic variation across distributional ranges;
- Can be a tool for predicting potential distributions of species of terrestrial animals, birds, reptiles, and invertebrates in remaining natural vegetation;
- Can be a user friendly extension tool for improving the potential options (both from indigenous and exotic species) available to farmers in their quest for improving livelihoods and income generation;



- Provides for possible forecasts of changes in agricultural potential resulting from climate change;
- Provides a management tool for interpretation of historical, current, and future distribution of ecosystems and ecoregions, including alternative stable states;
- Provides a tool for ecological restoration and protection of ecosystems.

The documentation is available on our homepage and we expect to improve on the availability of information during the coming months. We welcome your comments on the material. *http://sl.life.ku.dk/English/outreach_publications/computer-based_tools/vegetation_climate_change_eastern_africa.aspx* .
Jens-Peter Barnekow Lillesø, *jpbl@life.ku.dk*

Reports for VECEA:

Potential Natural Vegetation of Eastern Africa (Ethiopia, Kenya, Malawi, Rwanda, Tanzania, Uganda and Zambia).

Volume 1: **The Atlas**. Lillesø, J. B., van Breugel, P., Kindt, R., Bingham, M., Demissew, S., Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H., Mulumba, J., Namaganda, M., Ndangalasi, H., Ruffo, C., Jamnadass, R. & Graudal, L.. 2011. Forest & Landscape, University of Copenhagen. 155 p. (Working Papers; 61).

Volume 2: **Description and Tree Species Composition for Forest Potential Natural Vegetation types.** Kindt, R., van Breugel, P., Lillesø, J. B., Bingham, M., Demissew, S., Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H., Mulumba, J., Namaganda, M., Ndangalasi, H., Ruffo, C., Jamnadass, R. & Graudal, L. 2011. Forest & Landscape, University of Copenhagen. 232 p. (Working Papers; 62).

Volume 3: **Description and Tree Species Composition for Woodland and Wooded Grassland Potential Natural Vegetation Types.** Kindt, R., van Breugel, P., Lillesø, J. B., Bingham, M., Demissew, S., Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H., Mulumba, J., Namaganda, M., Ndangalasi, H., Ruffo, C., Jamnadass, R. & Graudal, L.. 2011. Forest & Landscape, University of Copenhagen. 176 p. (Working Paper; 63).

Volume 4: **Description and Tree Species Composition for Bushland and Thicket Potential Natural Vegetation Types**. Kindt, R., van Breugel, P., Lillesø, J. B., Bingham, M., Demissew, S., Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H., Mulumba, J., Namaganda, M., Ndangalasi, H., Ruffo, C., Jamnadass, R. & Graudal, L.. 2011.. Forest & Landscape, University of Copenhagen. 110 p. (Working Papers; 64).

Volume 5: **Description and Tree Species Composition for Other Potential Natural Vegetation Types (Vegetation Types other than Forests, Woodlands, Wooded Grasslands, Bushlands and Thickets**). Kindt, R., Lillesø, J. B., van Breugel, P., Bingham, M., Demissew, S., Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H., Mulumba, J., Namaganda, M., Ndangalasi, H., Ruffo, C., Jamnadass, R. & Graudal, L.. 2011. Forest & Landscape, University of Copenhagen. 131 p. (Working Papers; 65).

Volume 6: An Overview of The Methods and Material Used to Develop The Map. van Breugel, P., Kindt, R., Lillesø, J. B., Bingham, M., Demissew, S., Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H., Mulumba, J., Namaganda, M., Ndangalasi, H., Ruffo, C., Védaste, M., Jamnadass, R. & Graudal, L.. 2011. Forest & Landscape, University of Copenhagen. 139 p. (Working Papers; 68).

Volume 7: Projected Distributions of Potential Natural Vegetation Types and Two Important Agroforestry Species (*Prunus Africana* and *Warburgia Ugandensis*) for Six Possible Future Climates. van Breugel, P., Kindt, R., Lillesø, J. B., Bingham, M., Demissew, S., Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H., Mulumba, J., Namaganda, M., Ndangalasi, H., Ruffo, C., Jamnadass, R. & Graudal, L.. 2011.. Forest & Landscape, University of Copenhagen. 63 p. (Working Papers; 69).

Download all reports: *http://sl.life.ku.dk/English/outreach_publications/reports/forest_landscape_working_papers.aspx*

New publications

Seed Leaflets

Kundu, M. & Schmidt, L.H. 2012: *Emblica officinalis* Gaertn. Seed Leaflets. No. 154. pp. 2. Forest & Landscape, University of Copenhagen.

Kundu, M. & Schmidt, L.H. 2012: *Holoptelea integrifolia* Planch. Seed Leaflet. No. 155. pp. 2. Forest & Landscape, University of Copenhagen.

Kundu, M. & Schmidt, L.H. 2012: *Madhuca longifolia* (Koenig) J. F. Macb. Seed Leaflets. No.156, pp. 2. Forest & Landscape, University of Copenhagen.
http://sl.life.ku.dk/English/outreach_publications/reports/seed_leaflets.aspx

Briefs

Nathan, I., Boon, T.E. & Helles, F. 2011: The dilemma of decentralized forest governance in a weak state: The case of Cambodia. Development Briefs. Policy no 14. pp. 4. Forest & Landscape, University of Copenhagen.

Lund, J.F., Chhetri, B.B.K., Nielsen, Ø.J. 2012: The Public Finance Potential of Community Forestry: Evidence from Nepal. Development Briefs. Policy. No 15. pp. 4. Forest & Landscape, University of Copenhagen.

Byg, A., Theilade, I., Nielsen, M.R. & Lund, J.F. 2012: Local ecological knowledge and its relevance for management and research. Development Briefs. Policy. No 16, pp. 4. Forest & Landscape, University of Copenhagen.

Nielsen, M.R., Lund, J. F., Byg, A. & Theilade, I. 2012: Locally-based monitoring and its relevance to management and research. Development Briefs. Policy. No 17, pp. 4. Forest & Landscape, University of Copenhagen.

Saito, M. & Nathan, I. 2012: The potential of Community Based Natural Resource Management for benefiting local communities? Development Briefs. Policy. 18, pp. 4. Forest & Landscape, University of Copenhagen.
http://sl.life.ku.dk/English/outreach_publications/reports/development_briefs_policy.aspx

Note: All publications published by FLD, e.g. Development and Environment, Seed Leaflets, Working Papers and most 'Other Publications' can be downloaded free of charge from our homepage. Outreach and Publications

Articles

Ræbild, A., Hansen, U.B. & Kambou, S. 2011: Regeneration of *Vitellaria paradoxa* and *Parkia biglobosa* in a parkland in Southern Burkina Faso. Agroforestry Systems. 11 p.
http://www.springerlink.com/content/fn8830h3306wh132/

Parkouda, C., Sanou, H., Tougiani, A., Korbo, A., Nielsen, D.S., Tano-Debrah, K., Ræbild, A., Diawara, B. & Jensen, J.S. 2011: Variability of Baobab (*Adansonia digitata* L.) fruits' physical characteristics and nutrient content in the West African Sahel. Agroforestry Systems. 9 p.
http://www.springerlink.com/content/6776kl1385760pq0/

Pouliot, M., Bayala, J. & Ræbild, A. 2011: Testing the shade tolerance of selected crops under *Parkia biglobosa* (Jacq.) Benth in an agroforestry parkland in Burkina Faso, West Africa. Agroforestry Systems. 12 p.
http://www.springerlink.com/content/19365688557g6221/

Korbo, A., Sanou, H., Ræbild, A., Jensen, J.S., Hansen, J.K. & Kjær, E.D. 2011: Comparison of East and West African populations of baobab (*Adansonia digitata* L.). Agroforestry Systems. 14 p. *http://www.springerlink.com/content/n2611771hl553772/*

Ouedraogo, M., Ræbild, A., Nikiema, A. & Kjær, E.D. 2011: Evidence for important genetic differentiation between provenances of *Parkia biglobosa* from the Sudano-Sahelian zone of West Africa. Agroforestry Systems. 15 p.
http://www.springerlink.com/content/y23746m05422k627/

Kjær, E.D., Graudal, L., Ditlevsen, B. & Hansen, J.K. 2011: Choice of quality planting stock of teak: The question of a 'genetic business plan'. Innovations in the Management of Planted Teak Forests. Jayaraman, K. & Bhat, K. (red.). Kerala, India : TEAKNET/KFRI p. 15-17.

Chhetri, B.B.K., Lund, J.F. and Nielsen, Ø.J. 2012 : The Public Finance Potential of Community Forestry in Nepal. Ecological Economics 73: 113-121. *http://www.sciencedirect.com/science/article/pii/S0921800911003995*

Jensen, A., Meilby, H., 2012 : Assessing the population status of a tree species using distancesampling: *Aquilaria crassna* (Thymelaeaceae) in Northern Laos. International Journal of Forestry Research 2012: 1-11 *http://www.hindawi.com/journals/ijfr/2012/265831/*

Nielsen, M.R. 2011 : Improving the Conservation Status of the Udzungwa Mountains, Tanzania? The Effect of Joint Forest Management on Bushmeat Hunting in the Kilombero Nature Reserve Conservation and Society 9 (2): 106-118.
http://www.conservationandsociety.org/article.asp?issn=0972-4923;year=2011;volume=9;issue=2;spage=106;epage=118;aulast=Nielsen

Nielsen, M.R. and Lund, J.F. 2012 : Seeing White Elephants? Production and communication of information in a locally-based monitoring system in Tanzania. Conservation and Society 10(1): 1-14. *http://www.conservationandsociety.org/article.asp?issn=0972-4923;year=2012;volume=10;issue=1;spage=1;epage=14;aulast=Nielsen*

Uberhuaga, P., Smith-Hall, C. and Helles, F. 2012 : Forest income and dependency in lowland Bolivia. Environment, Development and Sustainability 14: 3-23.
http://rd.springer.com/article/10.1007/s10668-011-9306-8

Editor: Isabelle Skarvig
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Forest & Landscape Denmark
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